

WHAT IS CLAIMED IS:

1. An optical fiber drop cable comprising:

an optical element section including an optical fiber wire, at least one pair of first tensile strength bodies disposed in parallel to the optical fiber wire in between,
5 and a first cable sheath that covers said optical fiber wire and said first tensile strength bodies;

a cable support section including a second tensile strength body and a second cable sheath that covers said second tensile strength body; and

a neck portion that connects said optical element section and said cable support section in parallel to each other, wherein
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said neck portion includes a thick part disposed on the side of said cable support section, and a thin part, which is thinner than said thick part, disposed on the side of said optical element section.

15 2. An optical fiber drop cable according to claim 1, wherein said thin part has a width 0.1 - 0.2mm and thickness 0.2 - 0.4mm.

3. An optical fiber drop cable according to claim 2, wherein said thick part has a width 0.05 - 0.35mm and thickness 0.8 - 0.9mm.

20 4. An optical fiber drop cable according to claim 3, wherein the first cable sheath, the second cable sheath and the neck portion are made of common thermoplastic resin as one body.

25 5. An optical fiber drop cable comprising,

a cable sheath which is made of thermoplastic resin, and which includes

an optical fiber housing section covering an optical fiber wire and a pair of tensile strength bodies disposed on opposite sides of said optical fiber wire in the x direction, and having a pair of V shaped notches formed on opposite surfaces in

the y direction,

a support wire housing section covering a support wire, and disposed in parallel to said optical fiber housing section in the x-z plane; and

a neck portion that connects said optical fiber housing section and
5 said support wire housing section, wherein

said neck portion includes

a thin part formed on the optical fiber housing section side and having a generally even dimension in the y direction, and

a thick part formed on the support wire housing section side and
10 having a generally even dimension in the y direction which is larger than the thin part.

6. An optical fiber drop cable according to claim 5, wherein the thin part has dimensions of 0.1 - 0.2mm in the x direction and 0.2 - 0.4mm in the y direction.

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7. An optical fiber drop cable according to claim 6, wherein the thick part has dimensions of 0.05 - 0.35mm in the x direction and 0.8 - 0.9mm in the y direction.

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8. An optical fiber drop cable according to claim 7, wherein the thermoplastic resin is polyvinylchloride.

9. An optical fiber drop cable according to claim 7, wherein the thermoplastic resin is flame-resistant polyethylene.

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10. An optical fiber drop cable according to claim 5, wherein the neck portion includes an inclined portion formed between the thick part and the thin part, in which the dimension of the y direction decreases from the thick part towards the thin part.

11. An optical fiber drop cable according to claim 10, wherein the thin part has

dimensions of 0.1 - 0.2mm in the x direction and 0.2 - 0.4mm in the y direction.

12. An optical fiber drop cable according to claim 11, wherein the thick part has dimensions of 0.05 - 0.35mm in the x direction and 0.8 - 0.9mm in the y direction.

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13. An optical fiber drop cable according to claim 12, wherein the thermoplastic resin is polyvinylchloride.

14. An optical fiber drop cable according to claim 12, wherein the thermoplastic resin is flame-resistant polyethylene.

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